Skill Level **EXPERT**

9731

MODEL ROCKET INSTRUCTIONS

KEEP FOR FUTURE REFERENCE

IMPORTANT: Please record date found on decal and keep for future reference.

READ ALL INSTRUCTIONS. Make sure you have all parts and supplies. Test fit all parts before applying glue. Refer to your glue manufacturer's dry times during build.

SUPPLIES















038382













CA GLUE

TAPE

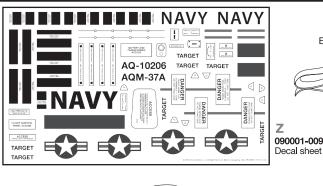
PENCIL

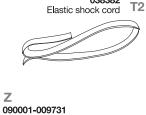
FINE SANDPAPER

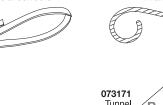
PAINT

PAINT

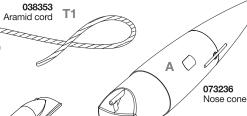
(OPTIONAL)

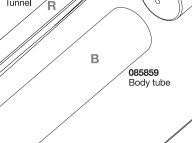


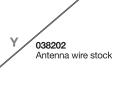


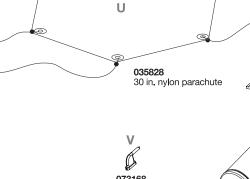


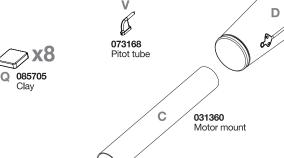


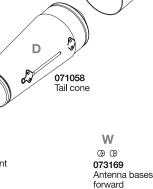










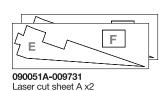


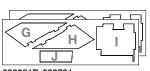


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S

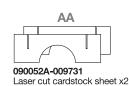


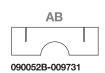




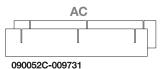
090051B-009731 Laser cut sheet B x2



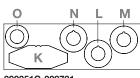




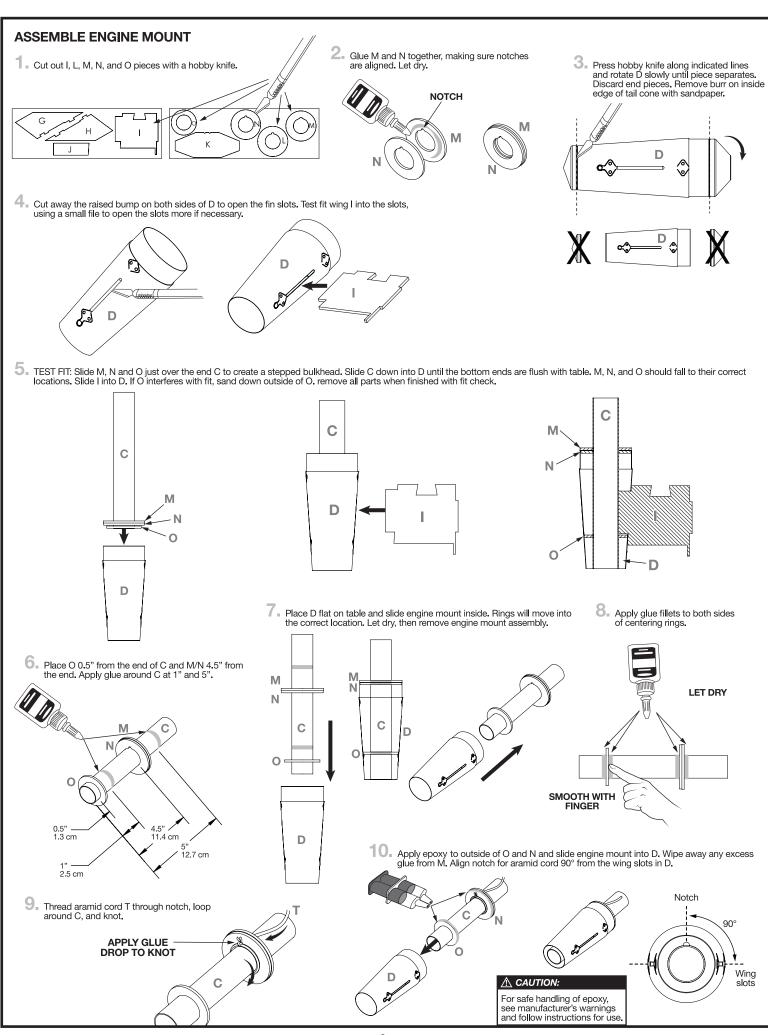


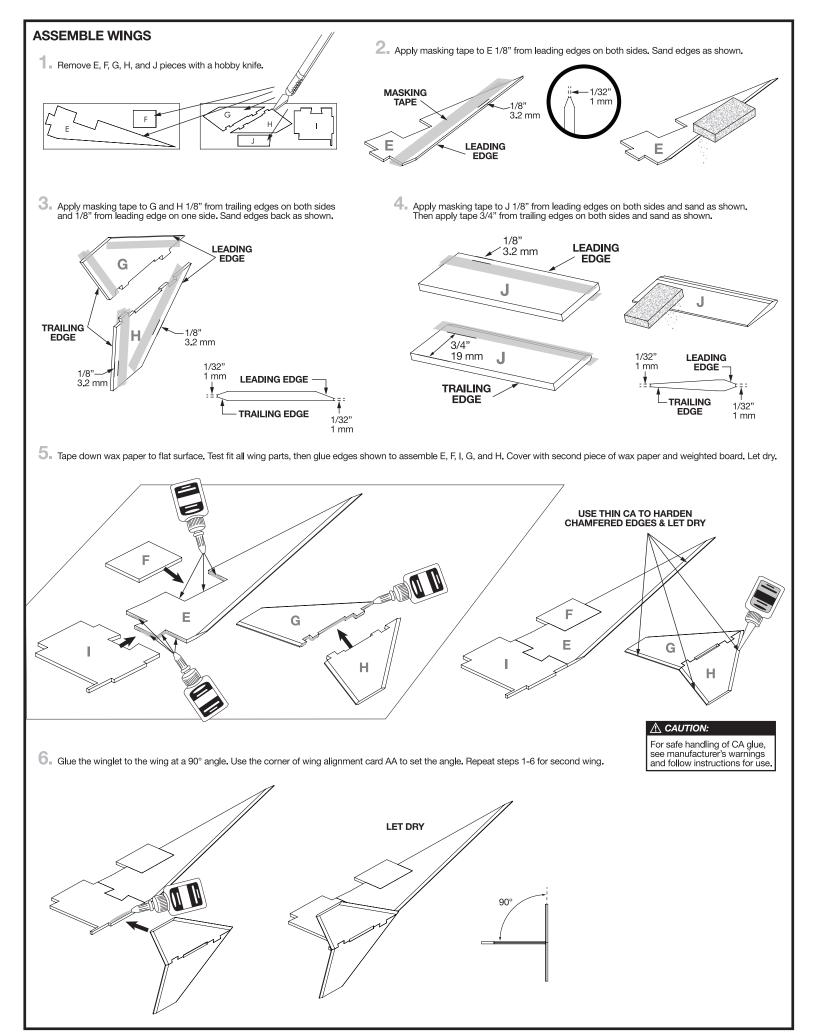


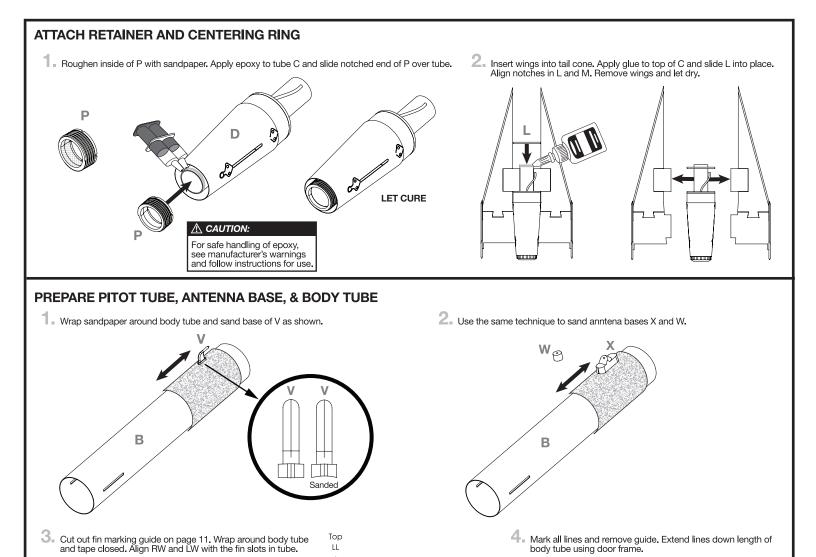


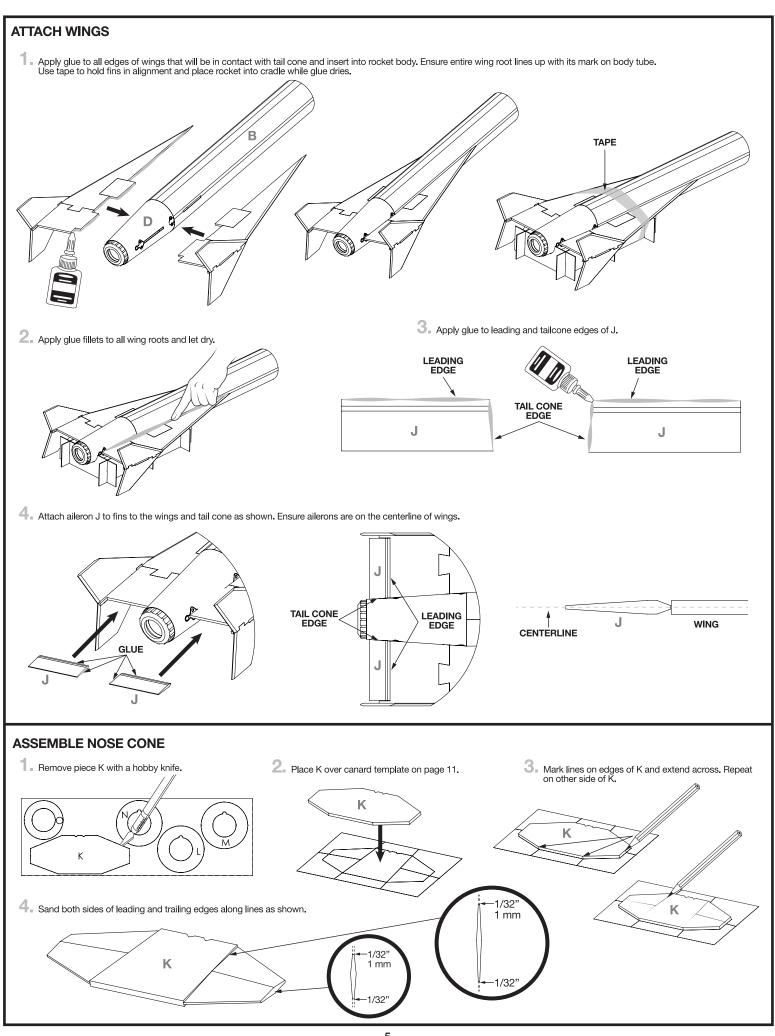


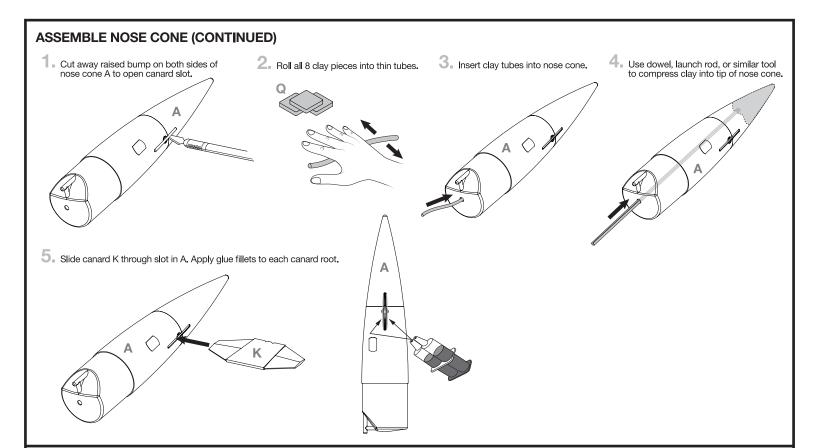
090051C-009731 Laser cut sheet C





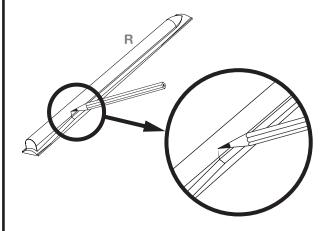




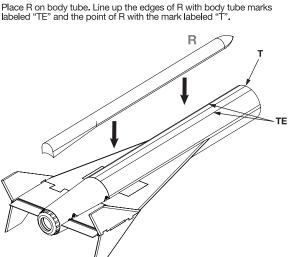


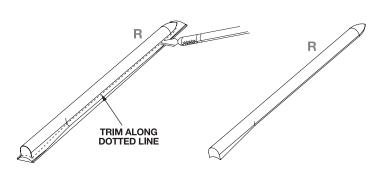
ATTACH TUNNEL

extstyle 1 Mark tunnel R at indicated location. Carefully cut away excess material.

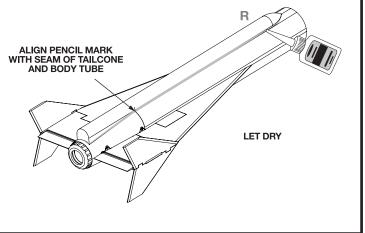


2. Place R on body tube. Line up the edges of R with body tube marks labeled "TE" and the point of R with the mark labeled "T".



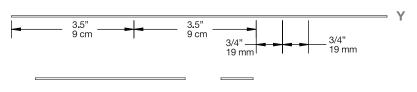


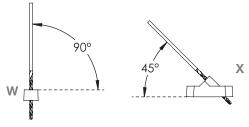
3. Apply thin CA to edges of tunnel R (only a small amount is needed - it will wick around all the edges).



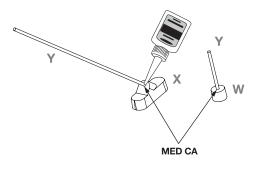
ASSEMBLE ANTENNAE

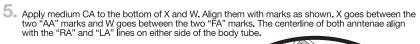
- 1 . Take anntena stock material Y and cut off two sections each 3.5" long and two sections each 0.75" long.
- 2. Use a 1mm or 3/64" bit to drill through antenna bases X and W at the angles shown. Start at the small divot on each antenna base.

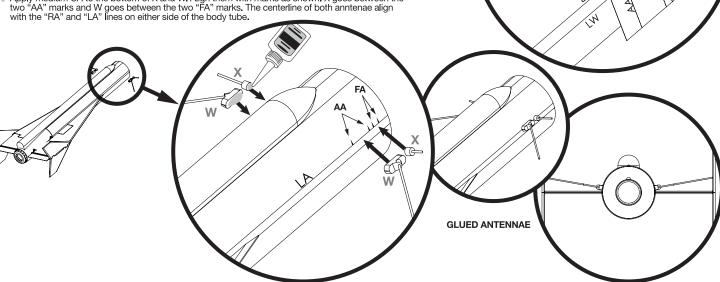




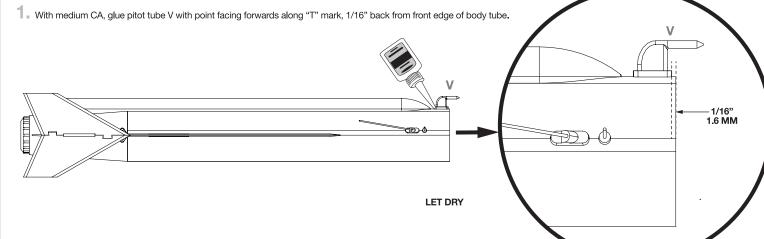
- 3. Insert the long antenna into X and the short antenna into W. Glue both pieces into place with medium CA. Make sure the antenna does not stick out the bottom of the base.
- 4. Line up the forward edge of antenna template on page 11 with the forward edge of the body tube. Align edge of template with "LA" mark on body tube. Mark the four lines from the template onto the body tube. Repeat on the other side "RA" mark.

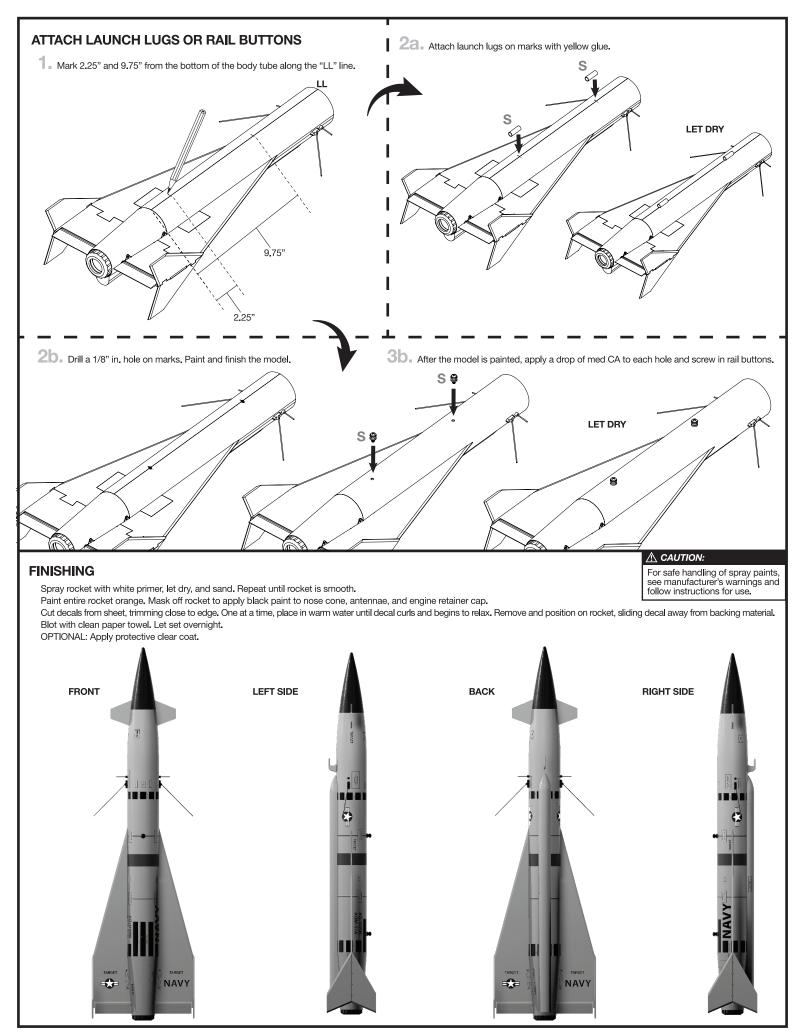


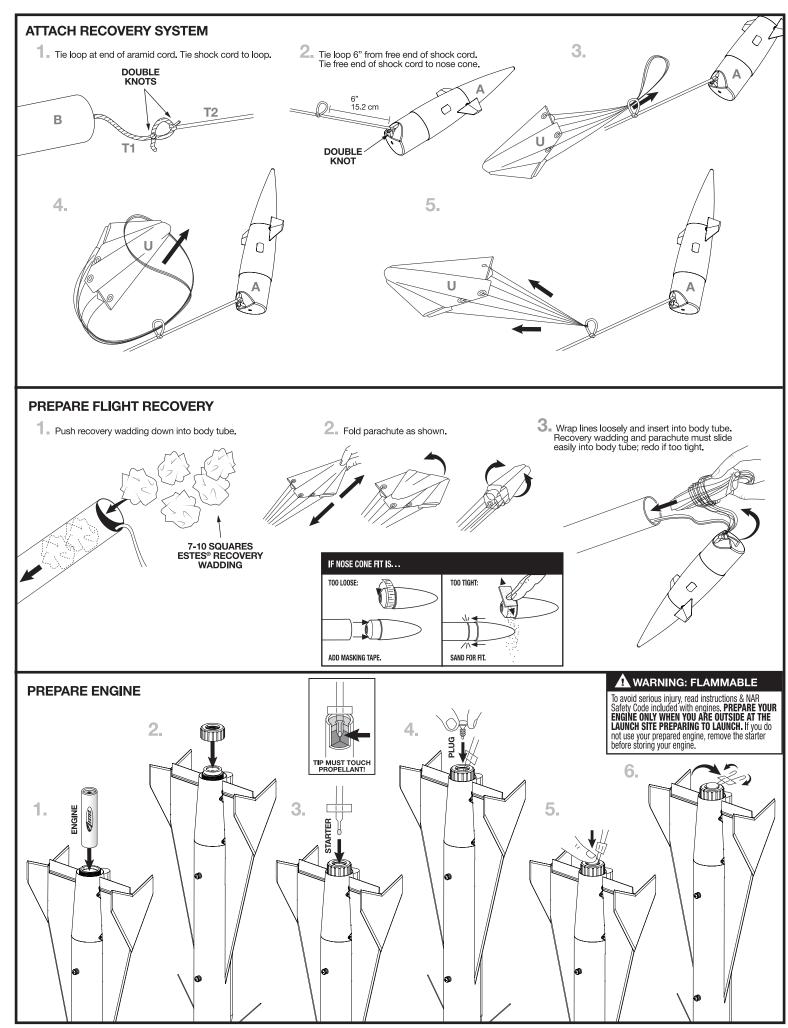


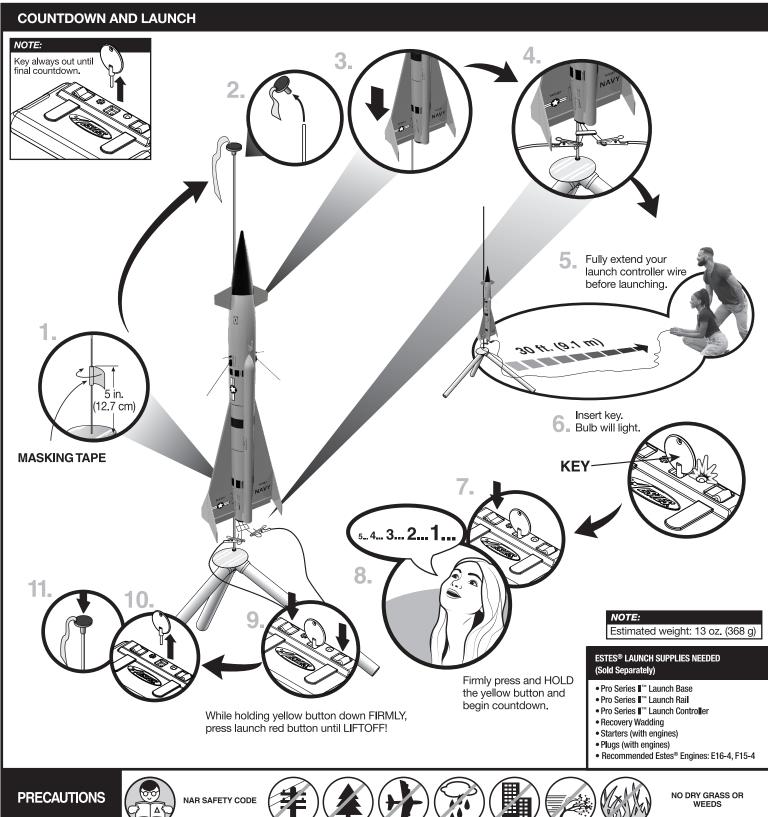




























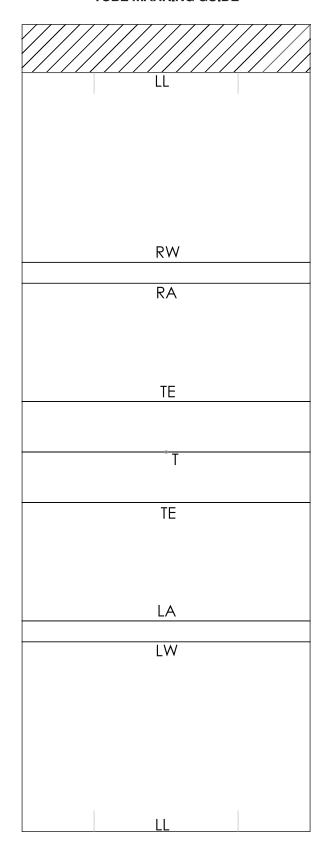
PRE-LAUNCH CHECK For safety, never launch a damaged rocket. Check the rocket's body, nose cone and fins. Also, check the engine mount, recovery system and launch lug(s). Repair any damage before launching the rocket.

FLYING YOUR ROCKET Choose a large field (1000 ft. [305 m] square) free of dry weeds and brown grass. The larger the launch area, the better your chance of recovering your rocket. Launch only with little or no wind and good visibility. Always follow the National Association of Rocketry (NAR) SAFETY CODE (enclosed).

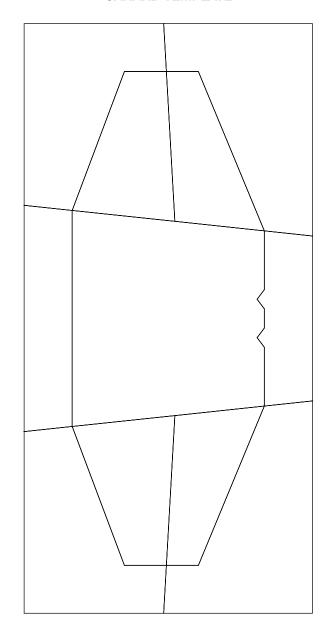
MISFIRES TAKE THE KEY OUT OF THE CONTROLLER. WAIT ONE MINUTE BEFORE GOING NEAR THE ROCKET. Disconnect the micro-clips and remove the engine. Take the plug and starter out of the engine. A burned starter means the starter tip was not touching engine propellant. Install a new starter; be sure the tip is touching propellant inside the engine. Push the plug in place. Repeat steps under Countdown and Launch.

PN 090004-9731 (2-25)

TUBE MARKING GUIDE



CANARD TEMPLATE



ANTENNA TEMPLATE

